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[54] PROSTHETIC HEART VALVE WITH INCREASED VALVE LUMEN

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[*] Notice: This patent is subject to a terminal disclaimer.

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Related U.S. Application Data

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[58] Field of Search 623/2, 900

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[57] ABSTRACT

A heart valve prosthesis having a valve housing providing a lumen therethrough. The valve housing has a first annulus on one end and a second annulus on the other end spaced apart from the first annulus. A suture cuff is used for attaching the valve housing to heart tissue of a patient. The cuff is attached between the first annulus and the second annulus. The cuff is positioned such that prosthesis is attached in a supra-annular position relative to a tissue annulus of the heart. The design allows for an increased valve lumen.

19 Claims, 18 Drawing Sheets

